

From: Mohan Thadani
To: INternet:pvflemi@nppd.com
Date: 10/21/02 3:58PM
Subject: DRAFT REQUEST FOR ADDITIONAL INFORMATION

**DRAFT REQUEST FOR ADDITIONAL INFORMATION ON THE SUPPLEMENTAL INFORMATION
SUBMITTED BY NEBRASKA PUBLIC POWER DISTRICT FOR
COOPER NUCLEAR STATION LICENSE CONDITION 2.C.(6)-DOCKET NO.: 50-298**

In your submittal (Reference), you indicated that the "Collapsed Load Method", used for the stress analysis of the main steam line piping, is the same as the Equivalent Static Load Method identified in Section 3.9.2 of the NRC Standard Review Plan (SRP). It is our understanding that the Collapsed Load Method utilizes a factor of 1.0 to account for modal participation in the calculation of piping stresses for the main steam leakage piping under seismic loading condition. However, SRP Section 3.9.2 recommends that a factor of 1.5 is applied to the peak acceleration of the applicable floor response spectrum. We request your responses to the following:

- a) In your submittal, you referenced Appendix N, Article N-1225 of the ASME Boiler and Pressure Vessel Code, Section III, Division I. The NRC does not endorse Appendix N of the ASME Code. Provide your justification that the main steam leakage piping from the main steam isolation valves (MSIV) to the main turbine condenser and the turbine building can be realistically represented by a simple model and that your use of the Appendix N method for the analysis produces conservative results in terms of the piping responses (i.e., stress, deformation, etc.).
- b) Provide a discussion to show that the design and associated simplified analysis account for the relative motion between all points of support.

Reference:

Letter, Nebraska Public Power District to U.S. NRC, "Response to Request for Additional Information Related to Nebraska Public Power District's Seismic Reevaluation Proposed to address Cooper Nuclear Station License Condition 2.C.(6), Cooper Nuclear Station, NRC Docket No. 50-298, DPR-46," dated September 27, 2002.

Let me know if you would like to discuss this request for additional information (RAI) over a conference call prior to responding to this RAI. Also advise if you prefer to receive a formal request of the above RAI.

Thanks.

Mohan Thadani

CC: Kamal Manoly; Yong Kim

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From: Mohan Thadani

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